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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/972,546

DATE: 02/08/2002
TIME: 12:07:16

Input Set : A:\A116us.app
Output Set: N:\CRF3\02082002\I972546.raw

3 <110> APPLICANT: STRITTMATTER, STEPHEN M.
4 CATE, RICHARD L.
5 SAH, DINAH W.Y.
7 <120> TITLE OF INVENTION: NOGO RECEPTOR HOMOLOGS
9 <130> FILE REFERENCE: A116US
11 <140> CURRENT APPLICATION NUMBER: 09/972,546
12 <141> CURRENT FILING DATE: 2001-10-06
14 <150> PRIOR APPLICATION NUMBER: 60/238,361
15 <151> PRIOR FILING DATE: 2000-10-06
17 <160> NUMBER OF SEQ ID NOS: 19
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1260
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1

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28 ctccctggcc tggccctggc ggccccccagc tgcccatgc tctgcaccc tcactatcc 120
29 ccgcccaccc tgagtgcca ggcacaac ttctctctg tgccgtgtc cctgcaccc 180
30 agcaactcagc gactttccct gcagaacaac ctatccgca cgctgcggcc aggacacctt 240
31 gggtccaacc tgctcaccct gtggctcttc tccacaacc tctccaccat ctaccgggc 300
32 actttccgcc acttgcaaggc cctggaggag ctggacctcg gtgacaaccc gcacctgcgc 360
33 tegctggaggc ccgacaccc ttccggcccg gggcaacatc ttccggcccg agtgcgtca tttgtaccgc 420
34 tgccagtcgca gcagcctgcc cggcaacatc ttccggcccg tggtcagcct gcagtagcctc 480
35 tacctccagg agaacacgcct gctccaccta caggatgact tggtcgcgaa cctggccaac 540
36 ctgagccacc tcttctcca cgggaaccgc ctggcgtgc tcacagagca cgtgttgc 600
37 ggcctggca gcctggaccg gctgtgtc cacgggaacc ggtgcaggg cgtgcaccgc 660
38 gggcccttcc ggcgcctcag ccgcctcacc atcccttacc tggtcaacaa cagccctggcc 720
39 tgcgtgccc gcgaggcgct ccgcgcaccc ctgcgtcg agttcctgcg gtcacacgc 780
40 aacccttggg cgtgcactg ccgcgcgcgg ccgcgtcg cctggttcca ggcgcgcgc 840
41 gtgtccagct ccgacgtgac ctgcgcacc ccccccggc gccaggggccg agacctgcgc 900
42 ggcgtccgcg aggccgactt ccaggcggt ccgcgcggg caccacgcgc gccgggcgc 960
43 cgcgcgcgc gcaacagctc ctccaaacc ac ctgtacgggg tggccgaggc cggggcgc 1020
44 ccagccgatc cctccacccctt ctaccggat ctgcgtcg aagactcgcc gggggcgc 1080
45 ggcggggacg cgctactga ggacgactac tgggggggtc acgggggtga ggaccagcga 1140
46 ggggagcaga tggcccccgg cgctgcgtc caggcgcccc cgactcccg agggccctgcg 1200
47 ctctcgcccg ggctcccaag ccctctgttt tgctcctgc tcctggtgcc ccaccaccc 1260

50 <210> SEQ ID NO: 2

51 <211> LENGTH: 420

52 <212> TYPE: PRT

53 <213> ORGANISM: Homo sapiens

55 <400> SEQUENCE: 2

56 Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys

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57	1	5	10	15
59	Leu	Leu	Leu	Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
60			20	25 30
62	Met	Leu	Cys	Thr Cys Tyr Ser Ser Pro Pro Thr Val Ser Cys Gln Ala
63			35	40 45
65	Asn	Asn	Phe	Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr Gln Arg
66			50	55 60
68	Leu	Phe	Leu	Gln Asn Asn Leu Ile Arg Thr Leu Arg Pro Gly Thr Phe
69			65	70 75 80
71	Gly	Ser	Asn	Leu Leu Thr Leu Trp Leu Phe Ser Asn Asn Leu Ser Thr
72				85 90 95
74	Ile	Tyr	Pro	Gly Thr Phe Arg His Leu Gln Ala Leu Glu Glu Leu Asp
75			100	105 110
77	Leu	Gly	Asp	Asn Arg His Leu Arg Ser Leu Glu Pro Asp Thr Phe Gln
78			115	120 125
80	Gly	Leu	Glu	Arg Leu Gln Ser Leu His Leu Tyr Arg Cys Gln Leu Ser
81			130	135 140
83	Ser	Leu	Pro	Gly Asn Ile Phe Arg Gly Leu Val Ser Leu Gln Tyr Leu
84			145	150 155 160
86	Tyr	Leu	Gln	Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu Phe Ala
87			165	170 175
89	Asp	Leu	Ala	Asn Leu Ser His Leu Phe Leu His Gly Asn Arg Leu Arg
90			180	185 190
92	Leu	Leu	Thr	Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp Arg Leu
93			195	200 205
95	Leu	Leu	His	Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala Phe Arg
96			210	215 220
98	Gly	Leu	Ser	Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser Leu Ala
99			225	230 235 240
101	Ser	Leu	Pro	Gly Glu Ala Leu Ala Asp Leu Pro Ser Leu Glu Phe Leu
102			245	250 255
104	Arg	Leu	Asn	Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg Pro Leu
105			260	265 270
107	Trp	Ala	Trp	Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val Thr Cys
108			275	280 285
110	Ala	Thr	Pro	Pro Glu Arg Gln Gly Arg Asp Leu Arg Ala Leu Arg Glu
111			290	295 300
113	Ala	Asp	Phe	Gln Ala Cys Pro Pro Ala Ala Pro Thr Arg Pro Gly Ser
114			305	310 315 320
116	Arg	Ala	Arg	Gly Asn Ser Ser Ser Asn His Leu Tyr Gly Val Ala Glu
117			325	330 335
119	Ala	Gly	Ala	Pro Pro Ala Asp Pro Ser Thr Leu Tyr Arg Asp Leu Pro
120			340	345 350
122	Ala	Glu	Asp	Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr Glu Asp
123			355	360 365
125	Asp	Tyr	Trp	Gly Gly Tyr Gly Glu Asp Gln Arg Gly Glu Gln Met
126			370	375 380
128	Cys	Pro	Gly	Ala Ala Cys Gln Ala Pro Pro Asp Ser Arg Gly Pro Ala
129			385	390 395 400

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131 Leu Ser Ala Gly Leu Pro Ser Pro Leu Leu Cys Leu Leu Leu Val
132 405 410 415
133 Pro His His Leu
134 420
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 1383
137 <212> TYPE: DNA
138 <213> ORGANISM: Mus sp.
139 <400> SEQUENCE: 3
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141 ggggtgtgtg tggaaattgtc gctgttgctg ctcgctggag agctacactt ggggtgggtgg 120
142 tgcctctcgag actgtgtgtg ctaccctgcg cccatgactg tcaactgcga ggcacacaac 180
143 tttgtgtgcca tcccggagg catcccgagag gacagtgagc gcatcttcct gcagaacaat 240
144 cgcacatcaccc ttccctcagca gggccacttc agccccggca tggatcaccct ctggatctac 300
145 tccaaacaaca tcactttcat tgctccaaac accttcgagg gctttgtgca tctggaggag 360
146 ctagacaccttgg gagacaaccg acagctgcga acgctggcac ccgagacattt ccaaggcctg 420
147 gtgaagcttc acgcctctta cctctataag tgtggactga ggcgcctgcc cgccaggcatc 480
148 ttttgtggcc tgcacagcc gcaatgtatctc tacttgcagg acaaccatat cgatcacctc 540
149 caagatgaca tctttgtgga cctggtaaat ctcagtcaat tggttctcca tggtaacaag 600
150 ctatggagcc tgggccaagg catcttccgg ggcctggta acctggaccc gttgtgtctg 660
151 catgagaacc agctacagtg gttcaccac aaggctttcc atgacctcca caggctaacc 720
152 acccttttc tcttcaacaa cagcctcaact gagctgcagg gtgactgtt ggccccctg 780
153 gtggccttgg agttccttcg cctcaatggg aatgcttggg actgtggctg ccggcacgt 840
154 tccctgtggg aatggctgcg aaggttccgt ggctctagct ctgctgtccc ctgcgcgacc 900
155 cccgagotgc ggcaaggcca ggttctgaag ctgctgaggg tggaggactt ccggaaactgc 960
156 acaggaccag tgcacatcaaa cagatcaag ttcacacgc ttaccaccc tgacagggt 1020
157 gcccgcagg agcaccatcc gtcggatggg gcctccagg acaaaggcca cccacatggc 1080
158 catccgcctg gtcggatggc aggttacaag aaggcaggca agaactgcac cagccacagg 1140
159 aaccggaaacc agatctctaa ggttgcgtt gggaaagagc ttaccgaact gcaggactat 1200
160 gccccccact atcagcacaat gttcagctt gacatcatgc ccaccgcacg acccaagagg 1260
161 aaggggcaagt gtgctgcag gaccccccac cgtggccca gttgggtgca gcaggcatcc 1320
162 tcaggcaccgg cccttggggc cccactcctg gcctggatac tggggctggc agtactctc 1380
163 cgc
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 461
166 <212> TYPE: PRT
167 <213> ORGANISM: Mus sp.
168 <400> SEQUENCE: 4
169 Met Ser Trp Gln Ser Gly Thr Thr Val Thr Gln Ser Pro Val Gln Ala
170 1 5 10 15
171 Ala Gln Val Ser Gly Cys Cys Val Glu Leu Leu Leu Leu Leu Ala
172 20 25 30
173 Gly Glu Leu Pro Leu Gly Gly Gly Cys Pro Arg Asp Cys Val Cys Tyr
174 35 40 45
175 Pro Ala Pro Met Thr Val Ser Cys Gln Ala His Asn Phe Ala Ala Ile
176 50 55 60
177 Pro Glu Gly Ile Pro Glu Asp Ser Glu Arg Ile Phe Leu Gln Asn Asn
178 65 70 75 80
179 Arg Ile Thr Phe Leu Gln Gln Gly His Phe Ser Pro Ala Met Val Thr
180

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192	85	90	95
194	Leu Trp Ile Tyr Ser Asn Asn Ile Thr Phe Ile Ala Pro Asn Thr Phe		
195	100	105	110
197	Glu Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln		
198	115	120	125
200	Leu Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His		
201	130	135	140
203	Ala Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Ile		
204	145	150	155
206	Phe Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His		
207	165	170	175
209	Ile Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser		
210	180	185	190
212	His Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Gln Gly Ile		
213	195	200	205
215	Phe Arg Gly Leu Val Asn Leu Asp Arg Leu Leu His Glu Asn Gln		
216	210	215	220
218	Leu Gln Trp Val His His Lys Ala Phe His Asp Leu His Arg Leu Thr		
219	225	230	235
221	Thr Leu Phe Leu Phe Asn Asn Ser Leu Thr Glu Leu Gln Gly Asp Cys		
222	245	250	255
224	Leu Ala Pro Leu Val Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Ala		
225	260	265	270
227	Trp Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Arg Arg		
228	275	280	285
230	Phe Arg Gly Ser Ser Ala Val Pro Cys Ala Thr Pro Glu Leu Arg		
231	290	295	300
233	Gln Gly Gln Asp Leu Lys Leu Leu Arg Val Glu Asp Phe Arg Asn Cys		
234	305	310	315
236	Thr Gly Pro Val Ser Pro His Gln Ile Lys Ser His Thr Leu Thr Thr		
237	325	330	335
239	Ser Asp Arg Ala Ala Arg Lys Glu His His Pro Ser His Gly Ala Ser		
240	340	345	350
242	Arg Asp Lys Gly His Pro His Gly His Pro Pro Gly Ser Arg Ser Gly		
243	355	360	365
245	Tyr Lys Lys Ala Gly Lys Asn Cys Thr Ser His Arg Asn Arg Asn Gln		
246	370	375	380
248	Ile Ser Lys Val Ser Ser Gly Lys Glu Leu Thr Glu Leu Gln Asp Tyr		
249	385	390	395
251	400	405	410
252	Ala Pro Asp Tyr Gln His Lys Phe Ser Phe Asp Ile Met Pro Thr Ala		
254	420	425	430
255	Arg Pro Lys Arg Lys Gly Lys Cys Ala Arg Arg Thr Pro Ile Arg Ala		
257	435	440	445
260	Pro Ser Gly Val Gln Gln Ala Ser Ser Gly Thr Ala Leu Gly Ala Pro		
261	450	455	460
264	<210> SEQ ID NO: 5		
265	<211> LENGTH: 473		

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266 <212> TYPE: PRT
 267 <213> ORGANISM: Homo sapiens
 269 <400> SEQUENCE: 5
 270 Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 271 1 5 10 15
 273 Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 274 20 25 30
 276 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 277 35 40 45
 279 Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 280 50 55 60
 282 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 283 65 70 75 80
 285 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 286 85 90 95
 288 Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
 289 100 105 110
 291 Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
 292 115 120 125
 294 Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
 295 130 135 140
 297 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 298 145 150 155 160
 300 Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
 301 165 170 175
 303 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
 304 180 185 190
 306 Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 307 195 200 205
 309 Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 310 210 215 220
 312 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 313 225 230 235 240
 315 Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 316 245 250 255
 318 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 319 260 265 270
 321 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 322 275 280 285
 324 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 325 290 295 300
 327 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 328 305 310 315 320
 330 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 331 325 330 335
 333 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 334 340 345 350
 336 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Pro Gly Asp Ser
 337 355 360 365

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

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Input Set : A:\A116us.app
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L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:1078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:1169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
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L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
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L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

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